Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/18/2018 09:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125271	0	1.12	125345	1.11
Blue	F	SSC	125000	122493	-3	1.89	123180	1.86
Blue	E	FITC	15760	15279	-4	2.88	330	22.08
Blue	D	PE	25880	25321	-3	1.91	552	16.64
Blue	B	PerCP-Cy5-5	34075	33450	-2	4.11	1021	22.49
Blue	A	PE-Cy7	22776	22986	0	7.26	556	43.54
Red	C	APC	42488	41771	-2	2.68	1587	12.96
Red	A	APC-Cy7	24478	24128	-2	2.73	827	12.85
Violet	B	V450	6304	6062	-4	3.96	336	16.57
Violet	A	V500	26005	25314	-3	3.47	591	12.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21170	4.66	604	7	N/A	N/A	Pass
Blue	F	SSC	55473	1.28	565	10	N/A	N/A	Pass
Blue	E	FITC	59	74.13	557	1	0.0167	236	Pass
Blue	D	PE	114	56.74	551	2	0.1242	264	Pass
Blue	B	PerCP-Cy5-5	195	54.40	650	3	0.0075	68	Pass
Blue	A	PE-Cy7	109	106.44	703	6	0.0098	23	Pass
Red	C	APC	376	27.30	598	-2	0.0212	148	Pass
Red	A	APC-Cy7	204	28.61	570	-1	0.0049	1162	Pass
Violet	B	V450	53	79.42	482	-7	0.0375	3109	Pass
Violet	A	V500	88	46.73	500	-6	0.0146	1417	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.49	-30.95	0.96
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	17.74	13.60 - 20.40	N/A	N/A	30.82	31.34	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9623

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments